

Electricity Usage Charts

These charts list "typical" residential usage. Because there is no "typical" home, costs for your home may differ due to family size or lifestyle, as well as wattage, age, efficiency and extent of use of electrical items. These charts can help you estimate your monthly appliance usage and can help you use high-energy items more wisely. They may also help you evaluate purchases of new electrical items.

	Typical Wattage	Typical Period of Use	Estimated kWh/Month	Average Monthly Cost
Bathroom/Bedroom				
Electric Blanket (175 watts/control unit)*	175	4 hours/day	22	\$2.07
Hot Tub-outdoors;summer*	6000	1.5 hours/day	270	\$25.40
Hot Tub-outdoors;winter*	6000	2.5 hours/day	450	\$42.34
Queen size waterbed, 70 degree room, covered* (winter season)	365	9 hours/day	99	\$9.31
Den/Living Room				
Aquarium with light & heater - 50 gal	128	24 hours/day	92	\$8.66
Computer and Printer	450	4 hours/day	54	\$5.08
TV, Color	200	6 hours/day	36	\$3.39
TV, Large Screen	240	6 hours/day	43	\$4.05
TV, Satellite Dish, 18" or less	20	24 hours/day	14	\$1.32
Laundry Room/Basement/General				
Clothes Dryer @ 1 hour per load*	5600	7 loads/week	157	\$14.77
Clothes Washer @ 30 minutes/load	1200	7 loads/week	17	\$1.60
Sump Pump (1/2 horsepower)	373	2 hours/day	22	\$2.07
Kitchen				
Coffee Maker*	900	20 min./day	9	\$0.85
Dishwasher, air dry cycle	600	3 loads/week	7	\$0.66
Freezer-chest, less than 10 yrs old*	600	3.3 hours/day	59	\$5.55
Freezer-chest, more than 10 yrs old*	600	4.7 hours/day	85	\$8.00
Freezer-upright, less than 10 yrs old*	600	5 hours/day	90	\$8.47
Freezer-upright, more than 10 yrs old*	600	6.4 hours/day	115	\$10.82
Hot Plate*	1200	1 hour/day	36	\$3.39
Microwave Oven	1200	20 minutes/day	12	\$1.13
Range Burner, 6 inches*	1325	1 hour	40	\$3.76
Range Burner, 8 inches	2350	1 hour	71	\$6.68
Range Oven, baking*	2585	20 hours/mo.	52	\$4.89
Range Oven, broiling*	3400	1 hour/mo.	3	\$0.28
Range Oven, self cleaning feature*	3435	2.5 hours/mo.*	4	\$0.38
Refrigerator-standard, less than 10 yrs old*	800	3.75 hrs./day*	90	\$8.47
Refrigerator-standard, more than 10 yrs old*	800	5.6 hrs./day*	134	\$12.61
Refrigerator-side-by-side, less than 10 yrs old*	900	4.75 hrs./day*	128	\$12.04
Refrigerator-side by-side, more than 10 yrs old*	900	6.29 hrs./day*	170	\$15.99
Medical/Health				
Air Filter/Purifier (tabletop)	45	12 hours/day	16	\$1.51
Air Filter/Purifier (floor model)	198	12 hours/day	71	\$6.68
Battery Charger for electric wheel chair	445	12 hours/day	160	\$15.05
Oxygen Concentrator	320	24 hours/day	230	\$21.64

Shop/Garage/Outdoor				
Engine Heater, auto*	750	8 hrs./day for 10 days	60	\$5.64
Heat Tape (35 feet, 7 watts/foot)*	245	12 hours/day	88	\$8.28
Pump, Swimming Pool	746	12 hours/day	269	\$25.31
Lighting				
Bug Light	75	4 hours/day	9	\$0.85
Christmas Lights, 64 lights (5 watt)	320	5 hrs. day for 3 wks.	34	\$3.20
Christmas Lights, icicle (100 bulbs)	48	5 hrs./day for 3 wks.	5	\$0.47
Christmas Lights, miniature (50 bulbs)	18	5 hrs./day for 3 wks.	2	\$0.19
Household (four 60 watt bulbs - each equivalent to one 15 watt compact fluorescent lamp)				
Summer	240	4 hours/day	29	\$2.73
Winter	240	8 hours/day	58	\$5.46
Household (four 15 watt compact fluorescent lamps - each equivalent to one 60 watt bulb)				
Summer	60	4 hours/day	7	\$0.66
Winter	60	8 hours/day	14	\$1.32
Security Light	150	8 hours/day	36	\$3.39
Water Heating: <u>Electric Water Heater</u>				
Average Use Per Adult/month*	4500		125	\$11.76
Average Use Per Child (under 13)/month*	4500		62	\$5.83
Bath (20 gallons hot water)*		1 per day	72	\$6.77
Clothes Washer (18 gallons hot water)* (using warm wash, cold rinse)		7 loads/week	79	\$7.43
Dishwasher (9 gallons hot water)*		3 loads/week	16	\$1.51
Dishwashing by hand		1 load/day	18	\$1.69
Shower, 5 minutes (13 gallons hot water)*		1 per day	55	\$5.17
Shower, 5 minutes (21 gallons hot water)* (without energy saving showerhead)		1 per day	92	\$8.66

*Thermostatically controlled. Cost based on estimated "on" time.

The above information was obtained from the following website: www.bhe.com

Contact Waseca Utilities at 835-9718 for information on rebates available to utility customers on the purchase of energy-star rated appliances, air conditioners and compact fluorescent lightbulbs. For energy-savings tips, visit www.energystar.gov, www.energyhog.org and www.smmpa.com. If you do not have access to the internet at home or work, public internet access is available at the Waseca Public Library.